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Serial No.: 09/759,746

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TC 2226 MAIL ROOM

IN THE CLAIMS:

There are no amendments to the claims. All of the pending claims 23 through 32 are presented, pursuant to 37 C.F.R. §§ 1.121(c)(1)(i) and 1.121(c)(3), in clean form below.

23. A pixel, comprising:  
a substrate further comprising:  
a generally planar surface, and  
at least one protuberance from said generally planar surface; and  
an impurity offset from said generally planar surface and within said protuberance,  
wherein said impurity within said protuberance has a concentration increasing  
concurrently with a distance from said generally planar surface.
24. The pixel in claim 23, wherein said impurity is located within said protuberance to  
the exclusion of said substrate.
25. A field emission display, comprising:  
an uncontaminated substrate that is at least semiconductive; and  
a micro-cathode on said substrate, further comprising:  
a contaminated apex, and  
a decreasingly contaminated body.
26. The field emission display of claim 25, wherein said micro-cathode is integral  
with said substrate.
27. A display panel, comprising:  
a generally uncontaminated substrate; and  
an emitter electrode on said substrate, further comprising an apex, and further having an etch-  
resistible quality that increases with depth from said apex.

28. The display panel in claim 27, wherein said emitter electrode further comprises a base and further has an oxidizable quality that increases with elevation from said base.

29. The display panel in claim 28, wherein a portion of said substrate that is under said emitter electrode has an etch-resistible quality generally similar to an etch-resistible quality of said base.

30. The display panel in claim 29, wherein said portion has an oxidizable quality generally similar to an oxidizable quality of said base.

31. A cathode conductor system, comprising:  
a tip further comprising:

an apex, and

a base under said apex;

a substrate indivisibly extending from said base; and

a dopant in said tip defining a concentration gradient from said apex to said base and further defining a uniform concentration under said base.

32. The cathode conductor system in claim 31, wherein said dopant defines a concentration of generally zero within said substrate.

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IN THE DRAWINGS:

Accompanying this Second Preliminary Amendment is a Letter to the Chief Draftsman submitting proposed revisions to FIGS. 1 and 3. Approval of the revised figures is respectfully requested. Also enclosed is a Transmittal of Formal Drawings with formal drawings revised as proposed.